TRACTEBEL ENGIE

Jade CONSULT

Mr. Youngsoo Son
Project Manager
Doosan Enerbility
Plant EPC BG
Upper Trishuli-1 HEPP Construction Site
Nepal

Our ref.: OE-TJ-UT1-OUT Site-DHI 690

Date: 30 January, 2023

Subject: **Discrepancies between design drawing and construction activities at DT outlet structure**

Ref.: [1] Joint survey inspection 27January,2023
[2] UT1-C-010-CVL-DG-42009, REV.OC (25 January,2023)

Dear Sir,

The invert slab from up to EL1231m was completed on 28 January 2023 despite several discrepancies with the latest design drawing (ref.: [2]):

- According to the design, the invert slab should be rhombus-shaped with a length of 7500mm, yet site-surveying of the slab showed both different length and shape (see red marks in figure 1).
- Based on section A-A of above-mentioned design drawing, the invert slab reaches all the way beneath the existing retaining wall, but site surveying showed a shortcoming of 0.6m.
- The constructed walls differ from the corresponding design in section A-A (Figure 3).
- The invert slab works have already been completed even though there is no design for the reinforcements in section B-B.
- The new design of the retaining wall from el.1231.00~el.1233.00 is flush with existing retaining wall, however a horizontal gap occurs due to the shape of the existing retaining wall.

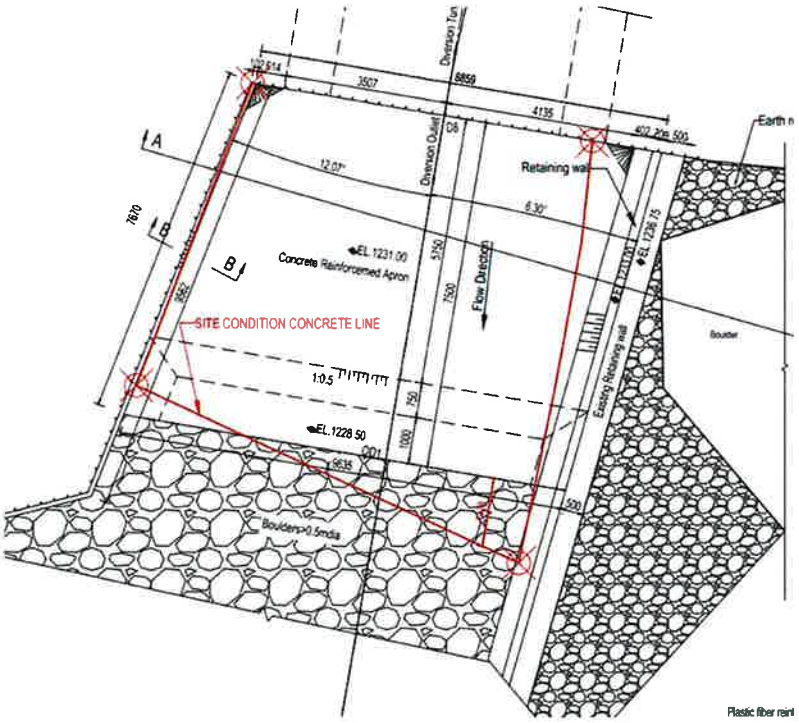

Figure 1: Layout of the DT Outlet with site condition in red

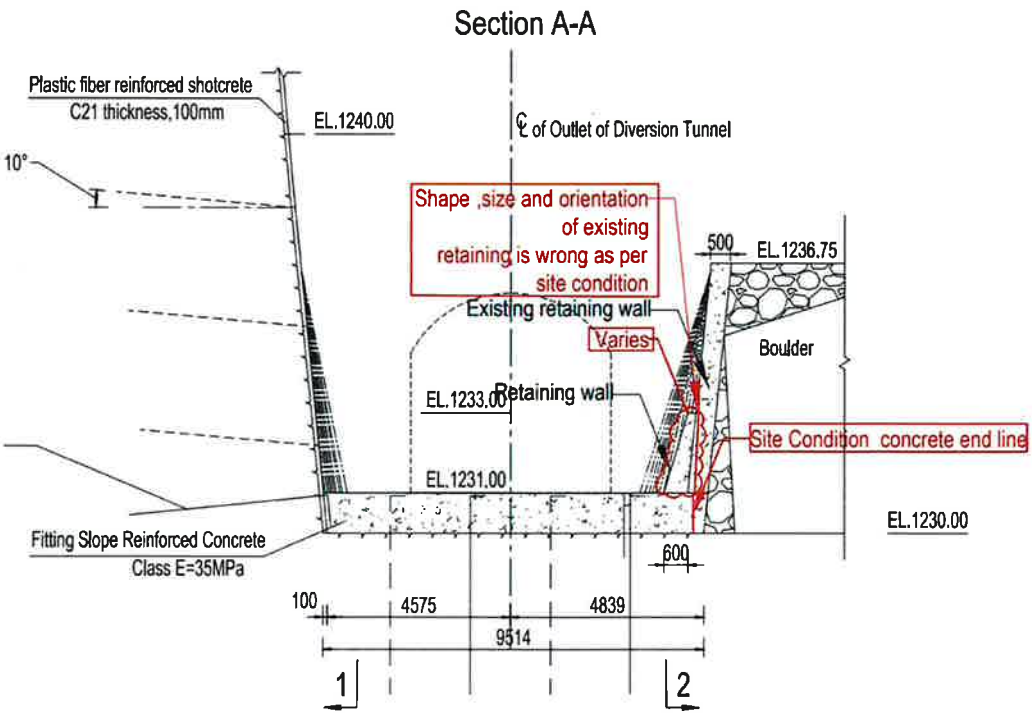

Figure 2: DT Outlet Section A-A

Figure 3: Picture of on-site condition. Shape of the wall differs from the design.

Since the drawing was submitted for approval (For Construction), OE requests the EPC contractor to address above mentioned issues before the construction drawing can be approved.

Sincerely yours

Jade Consult Pvt. Ltd. JV Tractebel Engineering GmbH - Nepal

.....
Lutz ROEMER
Chief Resident Engineer (CRE)
Upper Trishuli-1 HEP (216MW)

CC: NWEDC CTO Mr. Jung